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FEB 21 1992

Winston-Salem  
Regional Office

February 19, 1992

Mr. Thomas A. Salley  
Groundwater Section  
Division of Environmental Management  
8025 North Point Boulevard  
Suite 100  
Winston-Salem, NC 27106-3203

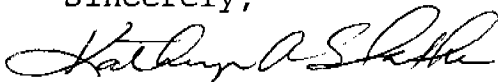
RE: Site Sensitivity Evaluation - Pepsi-Cola, Mt. Airy

Dear Mr. Salley:

Enclosed is a completed site sensitivity evaluation form for the former Pepsi-Cola site in Mt. Airy, North Carolina, Surry County. The impacted soil reading is probably due to overspillage. The east end of the excavation, where the high sample came from, had the pump/dispenser on the ground above it. I was on the site during the tank removal and did not see any indication of contamination, via odor or visual observation.

On behalf of General Cinema Corporation (Pepsi-Cola), we request this site be closed and no further actions be necessary. If you need additional information, or have any questions, please give me a call at (803) 760-2200.

Sincerely,



Kathryn A. Stathos  
National Accounts Project Manager

cc: Kelvin Hill, Pepsi

Figure 2

## Site Sensitivity Evaluation (SSE)

Guidelines for Remediation of Soil Contaminated by Petroleum  
North Carolina Division of Environmental Management

Characteristic	Condition	Rating	
Soil pH	pH < 5.0 or pH > 9.0 8.0 < pH < 9.0 5.0 ≤ pH < 6.0 6.0 ≤ pH ≤ 8.0	4 2 2 0	2
Grain Size* Udden-Wentworth Scale	Contains >2/3. Gravel to Coarse Sand (>1/2mm) Contains >2/3. Medium to Fine Sand (<1/2mm - 1/8mm) Contains >2/3. Very Fine Sand to Coarse Silt (<1/8mm - 1/32mm) Contains >2/3. Medium Silt and Clay (<1/32mm)	10 7 4 0	0
Are Relict Structures, Sedimentary Structures, and/or Textures present in the zone of contamination & underlying "soils"	Present and Intersecting the Seasonal High Water Table  Present but not Intersecting the Seasonal High Water Table  None Present	10  5  0	0
Contaminant Class	I Low to Medium Boiling Point Hydrocarbons (C1-C15) and "some military jet fuels"  II High Boiling Hydrocarbons (C12-C20) and "other jet fuels"	10  5	5
Distance from Location of Deepest Contaminated Soil (>10 ppm TPH) to Seasonal High Water Table	5 - 10 feet >10-40 >40 feet	10 5 0	5
Is the Top of Bedrock located above the Seasonal Low Water Table?	Yes No	5 0	0
Is a Confining Layer present between bottom of contaminated soil and water table?	No Yes	5 0	0
Time since release of contaminant has occurred	>1 yr. or unknown 6 months-1 year <6 months	10 5 0	10
Artificial Conduits present within the zone of contamination	Present & Intersecting the Seasonal High Water Table  Present but not intersecting the Seasonal High Water Table  Not Present	10  5  0	0

\* Figure 3

clean-up level of 60

TOTAL

22

**UNDERGROUND STORAGE TANK  
CLOSURE REPORT**

**PEPSI-COLA  
MT. AIRY, NORTH CAROLINA**

Laidlaw Environmental Service (FS), Inc.  
Charleston, South Carolina

November, 1991

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**UST CLOSURE REPORT  
PEPSI-COLA  
MT. AIRY, NORTH CAROLINA**

**PROJECT OVERVIEW**  
=====

Laidlaw Environmental Services (FS), Inc. was contracted by Pepsi-Cola South of Winston-Salem, North Carolina to permit, remove and dispose of the underground diesel storage tank from the former Pepsi-Cola facility in Mt. Airy, North Carolina. This included collection of confirmation soil samples and analysis per agency requirements, backfilling of the excavations and resurfacing the area.

**TANK REMOVAL PROCEDURES**  
=====

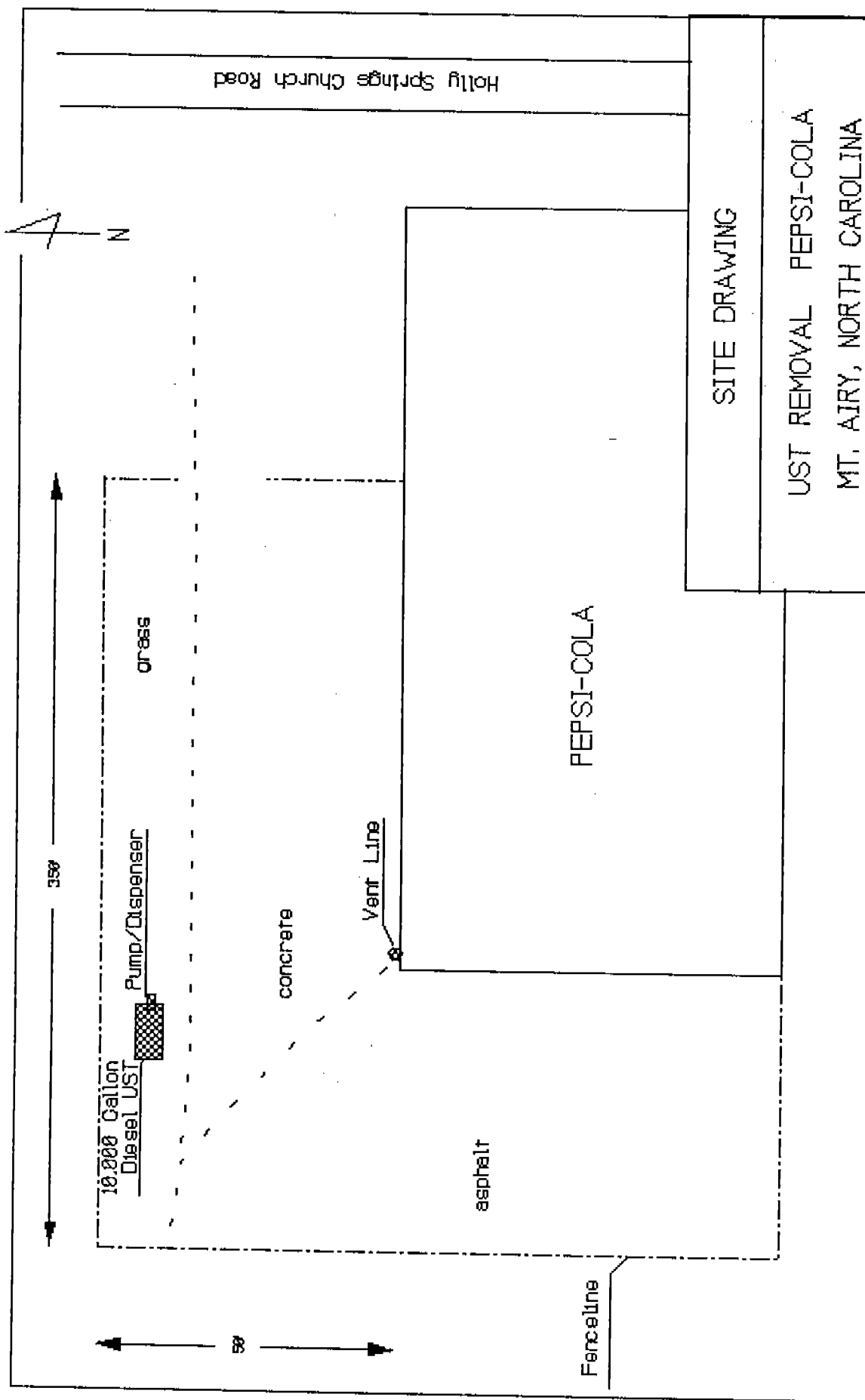
Prior to the removal of the UST, the North Carolina Department of Environmental Management (DEM) was contacted by SPATCO. A copy of the notification letter is enclosed in the Appendix. The local fire department was also notified; however, no permits or inspections were required.

On November 5, 1991, the tank was exposed by removing the overburden material. The piping from the pump/dispenser was disconnected, drained and capped. All remaining piping was grouted at the boundary of the tank excavation.

The tank's oxygen percentage and flammability potential was monitored. When the lower explosive limit was below 10%, the tank was lifted out of the excavation and placed on plastic.

The 10,000 gallon steel tank appeared in good condition, no holes were found, with only minor amounts of corrosion. The tank was then cut up, transported and disposed by Mt. Juliet Excavating and Construction Company of Mt. Juliet, Tennessee. A copy of the certificate of destruction is included in the Appendix.

After the tank was removed, three soil samples were collected from the bottom of the excavation, as required by the DEM.



# SITE DRAWING

UST REMOVAL PEPSI-COLA  
MT. AIRY, NORTH CAROLINA

LAIDLAW  
ENVIRONMENTAL  
SERVICES  
(FS), INC.

NOT TO SCALE  
11/13/91  
DRAWN BY: KAS

Holly Springs Church Road

## SOIL ANALYSIS

=====

The soil samples were placed on ice and sent to GeoChem Laboratories in Morrisville, North Carolina. The samples were analyzed for Total Petroleum Hydrocarbons (TPH), as required by the DEM. A copy of the laboratory results and chain of custody is included in the Appendix.

LABORATORY ANALYSIS	
LOCATION	TPH (ppm)
West End	< 1
Center	< 1
East End	17

## SITE REMEDIATION

=====

The laboratory results should be below the action levels set by the State of North Carolina. The DEM reviews each site analysis individually. No remedial activities were performed at this location.

## SITE RESTORATION

=====

The excavation was backfilled and compacted with the existing backfill material and several loads of clean fill material to complete the excavation. Ten inches of gravel was used to cap the former excavation.

Fence Line

Tank Excavation

Pump/Dispenser

10,000 Gallon  
Steel Diesel  
Tank

West  
End  
Sample

Center  
Sample

East  
End  
Sample

12

14

18'

22'

N

# UST DIAGRAM

PEPSI-COLA  
MT. AIRY, NORTH CAROLINA

LADLAW  
ENVIRONMENTAL  
SERVICES

11/13/91  
NOT TO SCALE  
DRAWN BY: KAS

The diesel tank was buried 3.0 feet below the surface. The soil samples were collected 2.0 feet below the tank bottom, at a depth of 17.0 feet.



## CONCLUSIONS

=====

The UST was removed in compliance with all pertinent federal, state and local regulations. Based on the confirmation soil sample results, the readings should be within acceptable limits set by the State of North Carolina and no further actions should be required at this time.

The State of North Carolina requires a Site Investigation Report be completed for each UST site. This report was mailed to the DEM on November 15, 1991. A copy of the report is included in the Appendix. A copy of this report must be kept on file for a period of three years.

**APPENDIX**  
=====

# Notice of Intent: UST Permanent Closure or Change-in-Service

FOR  
TANKS  
IN  
NC

Return Completed Form To:  
The appropriate DEM Regional Office (according to the county of the facility's location. [SEE REVERSE SIDE OF OWNER'S COPY (BLUE) FOR REGIONAL OFFICE ADDRESS].

State Use Only  
I.D. Number \_\_\_\_\_  
Date Received \_\_\_\_\_

## INSTRUCTIONS

Complete and return thirty (30) days prior to closure or change-in-service.

COPY

### I. OWNERSHIP OF TANK(S)

Tank Owner Name: General Cinema Corporation

(Corporation, Individual, Public Agency, or Other Entity)

Street Address: 3425 Myer Lee Drive

County: Forsyth

City: Winston-Salem State: NC Zip Code: 27101

Tele. No. (Area Code): 919.748.0440

### II. LOCATION OF TANK(S)

Facility Name or Company Pepsi Cola

Facility ID # (if available) \_\_\_\_\_

Street Address or State Road: Route 2, Holly Springs

County: Surry City: Mt. Airy Zip Code: \_\_\_\_\_

Tele. No. (Area Code): 919.748.0440

### III. CONTACT PERSON

Name: Kelvin Hill Job Title: Regional Dist. Manager Telephone Number: ( 919 ) 748.0440

### IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN-SERVICE

1. Contact Local Fire Marshall.
2. Plan the entire closure event.
3. Conduct Site Soil Assessments.
4. If Removing Tanks or Closing in Place refer to API Publications: 2015 "Cleaning Petroleum Storage Tanks" & 1604 "Removal & Disposal of Used Underground Petroleum Storage Tanks".

5. Provide a sketch locating piping, tanks and soil sampling locations.
6. Fill out form GW/UST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation.
7. Keep records for 3 years.

### V. WORK TO BE PERFORMED BY:

(Contractor) Name: SPATCO Environmental

Address: 556-L Arbor Hill Rd., K'ville State: North Carolina Zip Code: 27284

Contact: Bill Stewart Phone: 919.996.0573

### VI. TANK(S) SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

TANK ID#	TANK CAPACITY	LAST CONTENTS	PROPOSED ACTIVITY		
			CLOSURE	CHANGE-IN-SERVICE	
			Removal	Abandonment In Place	New Contents Stored
1	10,000	Diesel Fuel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

### VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title: Kelvin Hill, Regional Mgr By

Signature: Bill Stewart - SPATCO

\*Scheduled Removal Date: 10/24/91

Date Submitted: 9/18/91

If scheduled work date changes, notify your appropriate DEM Regional Office 48 hours prior to originally scheduled date.

Laidlaw Environmental Services (FS), Inc.

## Certificate of Destruction

This is to certify that the following tank(s)

Type of Tank	Size	Contents	Tank ID#
STEEL	10,000	DIESEL	1

located at PEPSI - COLA, MT. AIRY, NORTH CAROLINA  
owned by PEPSI - COLA, WINSTON-SALEM, NORTH CAROLINA

have been properly disposed of in full compliance  
with all Local, State and Federal regulations.

Signature Kathleen A. Smith Date 11/11/91



# ENVIRONMENTAL SCIENCE

Sally Tat

1910 MAY'S CHAPEL ROAD  
MT. JULIET, TENN. 37122

PHONE  
(615) 758-5858

FAX  
(615) 758-5859

TOLL FREE  
1-800-767-5859

## CHAIN OF CUSTODY

Company's Name: Laidlaw Environmental Services Telephone: 803-760-2200

Address: P.O. Box 61660 Charleston SC 29419-1660  
Street City State Zip

Project Name or No.: Peper. Cals, 41 Hwy. NC

Report to: Kathryn Stellas Collector's Name: Kathryn Stellas

Indicate potential contaminant - Gas (G), Diesel (D), Both (B), Waste Oil (WO), Unknown (U), Other (O).

Collection Point	Date/Time	Pot. Cont.	Tests Requested	Lab Use Sample#
1. <u>West End</u>	<u>11/6/91/10:00</u>		<u>TPH - 3550</u>	<u>3736</u>
2. <u>Center</u>	<u>11/6/91/10:00</u>		<u>TPH - 3550</u>	<u>3937</u>
3. <u>East End</u>	<u>11/6/91/10:02</u>		<u>TPH - 3550</u>	<u>3938</u>
4. <u>/</u>	<u>/</u>			
5. <u>/</u>	<u>/</u>			
6. <u>/</u>	<u>/</u>			

Rush charges for 24 or 48 hour turnaround. Normal is 10 working days.

RUSH ANALYSIS: 24 Hr. 48 Hr. NORMAL TURNAROUND:

Request results by phone: Yes ( ) No ( ) Phone ( )

Request results by fax: Yes ( ) No ( ) Fax # ( )

(No additional charge for phone or fax reports.)

\* \* \* \* \*

## CHAIN OF POSSESSION

1. <u>Kathryn A. Stellas</u> (Collector's Signature)	<u>11/6/91</u> (Date)	<u>2:55 pm</u> (Time)
2. <u>P. Bras</u> (Signature)	<u>11/6/91</u> (Date)	<u>2:55 PM</u> (Time)
3. <u></u> (Signature)	<u></u> (Date)	<u></u> (Time)

\*\*\*\*\*  
SKETCH A ROUGH DIAGRAM OF THE SAMPLE COLLECTION AREA ON THE BACK OF THIS SHEET. INDICATE THE COLLECTION POINT FOR EACH SAMPLE. THIS SHEET WILL BE RETURNED WITH YOUR SAMPLE RESULTS.  
\*\*\*\*\*

Cocoda: Laidlaw 5/91

P.O. #

# GeoChem, Incorporated

## Environmental Laboratories

November 13, 1991

Ms. Kathryn Stathos  
Laidlaw Environmental Services  
7117 Cross County Road  
Charleston, SC 29418

Reference: Pepsi Cola/Mount Airy, NC  
GCI# 9111-027

Dear Ms. Kathryn Stathos:

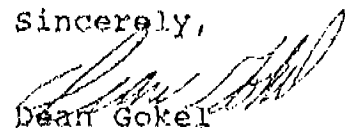
This is the analytical report for the above referenced project. On November 6, 1991 we received three soil samples for analysis. The analytical and quality control results are presented in separate tables for your convenience. Brief summaries of analytical methods employed are as follows.

### TPH

Samples are analyzed by following the California U.S.T. manual. This methodology incorporates EPA purge and trap (meth. 5030) techniques for analysis of volatile fuels such as gasoline. Less volatile fuels such as diesel fuel and kerosene must be extracted using solvents prior to analysis (soils are sonicated, meth. 3550). A standard calibration curve is created from the pure fuel of interest. The standards serve two functions; they create a "finger print" pattern for comparisons and they allow the chemist to calculate the concentration of that fuel analyzed for.

If there are any technical questions please feel free to call me at 919-460-8093. Thank you for allowing GEOCHEM to serve your analytical needs.

Sincerely,

  
Dean Gokel  
President

# GeoChem, Incorporated

## Environmental Laboratories

Geochem (NC #336/SC #99008)

Project#9110-027

1

Site Name Pepsi Cola

LAB ID.	3936	3937	3938
DATE SAMPLED	11/6/91	11/6/91	11/6/91
FIELD ID.	West End	Center	East End

### METHOD

ANALYTE	mg/kg	pql	mg/kg	pql	mg/kg	pql
TPH/diesel	BDL	1.0	BDL	1.0	17	1.0

soil      water  
parts per million = mg/kg      mg/l  
parts per billion = ug/kg      ug/l  
pql = practical quantitation limit due to matrix effects.  
bdl = below method detection limit.  
bql = below quantitation limit.

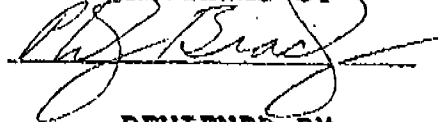
# GeoChem, Incorporated

## Environmental Laboratories

### QUALITY CONTROL RESULTS

METHOD	RECOVERY	METHOD DETECTION LIMIT
TPH/diesel	78 %	1.0 ppm

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